

Resource Summary Report

Generated by [NIF](#) on Aug 19, 2026

mEGFP-C1

RRID:Addgene_54759

Type: Plasmid

Proper Citation

RRID:Addgene_54759

Plasmid Information

URL: <http://www.addgene.org/54759>

Proper Citation: RRID:Addgene_54759

Bacterial Resistance: Kanamycin

Vector Backbone Description: Backbone Size:4750; Vector Backbone:mEGFP-C1;
Vector Types:Mammalian Expression; Bacterial Resistance:Kanamycin

Comments: A206K mutation. Excitation = 488; Emission = 507. CMV-F and SV40pA-R primers are recommended. The EGFP-C primer is NOT recommended due to nonspecific binding.

Plasmid Name: mEGFP-C1

Record Creation Time: 20220422T222320+0000

Record Last Update: 20260815T081643+0000

Ratings and Alerts

No rating or validation information has been found for mEGFP-C1.

No alerts have been found for mEGFP-C1.

Data and Source Information

Source: [Addgene](#)

Usage and Citation Metrics

We found 45 mentions in open access literature.

Listed below are recent publications. The full list is available at [NIF](#) .

Iu E, et al. (2026) A TRPV4-dependent calcium signaling axis regulates lamellipodial actin architecture to promote cell migration. *Current biology* : CB, 36(4), 995.

Sahota A, et al. (2025) Spatial and Temporal Single-Cell Profiling of RNA Compartmentalization in Neurons with Nanotweezers. *ACS nano*, 19(19), 18522.

Pachmayr I, et al. (2025) Resolving the structural basis of therapeutic antibody function in cancer immunotherapy with RESI. *Nature communications*, 16(1), 6768.

Martins CS, et al. (2025) Genetically encoded reporters of actin filament organization in living cells and tissues. *Cell*, 188(9), 2540.

Wang Y, et al. (2025) Programmable solid-state condensates for spatiotemporal control of mammalian gene expression. *Nature chemical biology*, 21(9), 1457.

Nie J, et al. (2025) A globular protein exhibits rare phase behavior and forms chemically regulated orthogonal condensates in cells. *Nature communications*, 16(1), 2449.

Takagishi M, et al. (2024) Motor protein Kif6 regulates cilia motility and polarity in brain ependymal cells. *Disease models & mechanisms*, 17(2).

Obara CJ, et al. (2024) Motion of VAPB molecules reveals ER-mitochondria contact site subdomains. *Nature*, 626(7997), 169.

Xia W, et al. (2024) Obesity causes mitochondrial fragmentation and dysfunction in white adipocytes due to RalA activation. *Nature metabolism*, 6(2), 273.

Cisterna BA, et al. (2024) Prolonged depletion of profilin 1 or F-actin causes an adaptive response in microtubules. *The Journal of cell biology*, 223(7).

Baro L, et al. (2024) Tumor invasiveness is regulated by the concerted function of APC, formins, and Arp2/3 complex. *iScience*, 27(5), 109687.

Liboy-Lugo JM, et al. (2024) Protein-protein interactions with G3BPs drive stress granule condensation and gene expression changes under cellular stress. *bioRxiv : the preprint server for biology*.

Kristenson L, et al. (2024) Deletion of the TMEM30A gene enables leukemic cell evasion of NK cell cytotoxicity. *Proceedings of the National Academy of Sciences of the United States of America*, 121(15), e2316447121.

Read TA, et al. (2024) The actin binding protein profilin 1 localizes inside mitochondria and is critical for their function. *EMBO reports*, 25(8), 3240.

Rivera J, et al. (2024) Phylogenomic, structural, and cell biological analyses reveal that *Stenotrophomonas maltophilia* replicates in acidified Rab7A-positive vacuoles of *Acanthamoeba castellanii*. *Microbiology spectrum*, 12(3), e0298823.

Ajiki M, et al. (2024) ORP9-PH domain-based fluorescent reporters for visualizing phosphatidylinositol 4-phosphate dynamics in living cells. *RSC chemical biology*, 5(6), 544.

Hussein BA, et al. (2023) NKG2A gene variant predicts outcome of immunotherapy in AML and modulates the repertoire and function of NK cells. *Journal for immunotherapy of cancer*, 11(8).

Cisterna BA, et al. (2023) Cytoskeletal adaptation following long-term dysregulation of actomyosin in neuronal processes. *bioRxiv : the preprint server for biology*.

Xia W, et al. (2023) Obesity-dependent increase in RalA activity disrupts mitochondrial dynamics in white adipocytes. *Research square*.

Baro L, et al. (2023) APC-driven actin nucleation powers collective cell dynamics in colorectal cancer cells. *iScience*, 26(5), 106583.